Small Business Innovation Research

Non-Volatile, Solid-State Recorder for Spacecraft

Seakr Engineering, Inc.
Englewood, CO

INNOVATION

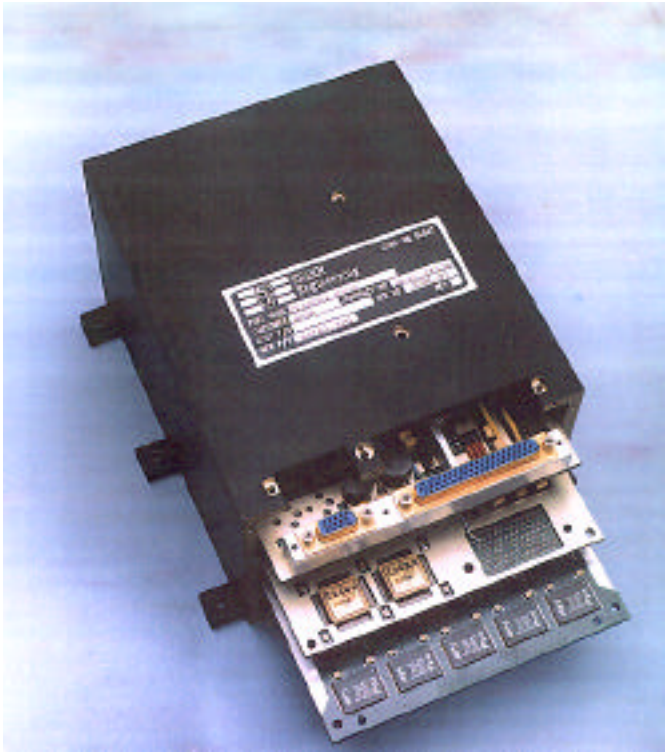
Developed application of non-volatile memory for spacecraft.

ACCOMPLISHMENTS

- Developed software to control flash memory in a low earth environment.
- Designed flash based memory for operation in a low earth orbit.
- Delivered flash based solid state recorder for a low earth orbit.

COMMERCIALIZATION

- Commercial potential exists in imaging satellites, commercial store and forward satellites, and avionics crash recorders.



SPARTAN Solid State Recorder

GOVERNMENT/SCIENCE APPLICATIONS

- Use of flash memory to replace shuttle tape recorders, for low earth satellites such as Gravity Probe B, and on space vehicles such as JPL's X2000 and MARS 98/01.
- Provided data recording for the GSFC Spartan 207/Inflatable Antenna Experiment which flew May 16, 1996.

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Goddard Space Flight Center

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